353111077334901 TILE DRAIN (SR5-T1) TO TRIBUTARY TO SANDY RUN NEAR LIZZIE, NC

LOCATION.--Lat 35°31'11", long 77°33'49", Greene County, Hydrologic Unit 03020203, approximately 0.25 mi north of Secondary Road 1335 and approximately 1.8 mi west-northwest of Willow Green.

DRAINAGE AREA .-- Not applicable.

PERIOD OF RECORD.--August 2000 to August 2001, February 2003 to current year.

REMARKS.--Station operated in cooperation with the North Carolina Department of Environment and Natural Resources and the U.S. Environmental Protection Agency to examine nutrient loadings from subsurface tile drains as part of the Lizzie research site water-quality monitoring project.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Flow rate, instantaneous gal/min (00059)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hard- ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
OCT													
03	1130	8.0	773	5.7	64	4.3	630	15.5	20.8				
FEB													
11	1200	.81	770	9.5	81	4.5	651	14.0	8.5	150	40.7	12.7	22.2
AUG													
15	1110	7.5											
15	1330	7.3	768	6.3	72	4.1	609	22.0	22.5	120	30.3	10.3	30.6
15	1915	26.7	766	6.1	70	4.1	573	22.0	22.4				
17	1225	6.5		6.1		4.0	647		21.3				

					Nitrite +		Ortho- phos-				
Date	Sodium, water, fltrd, mg/L (00930)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)	nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	phate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Organic carbon, water, fltrd, mg/L (00681)	Iron, water, fltrd, ug/L (01046)	
OCT											
03				E.03	35.1	<.008	<.006	.009			
FEB	25.1	71.0	240	0.4	27.5	000	E 00.4	006	1.0	E.4	
11	25.1	71.2	34.0	<.04	37.5	<.008	E.004	.006	1.2	E4	
AUG											
15											
15	24.8	74.3	35.8	<.04	32.7	<.008	.008	.018		8	
15				<.04	30.2	<.008	.009	.019			
17											